



## Model IASP1P Single Port Ethernet Surge Protector

The IASP1P is a single port Ethernet surge protector, designed to protect the 8 lines (4 pair) used in a standard CAT-5 cable. The IASP1P is compatible with 10 /100 Base T networks. Network connection to the IASP1P is by RJ45 female connectors. Grounding is accomplished using screw terminals. Additional terminals are provided allowing multiple IASP1P's to be connected together.

### Features

- Protects all eight lines
- Low capacitance loading (< 50pF)
- Extra ground connections
- DIN rail mountable
- Panel mountable

### Applications

- Industrial automation
- Ethernet I/O
- PLC Ethernet connections
- Factor floor Ethernet networks

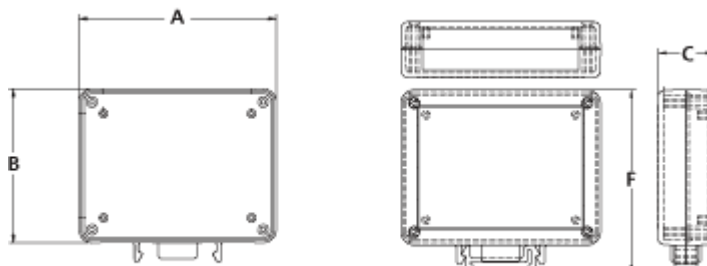
### Connections

Two standard RJ45 connections allow the IASP1P to be placed inline between any two Ethernet devices. A three terminal grounding post is provided to connect the IASP1P to earth ground. The extra terminals allow you to connect several IASP1P surge protectors together to protect multiple data lines.

### Specification Summary

#### Physical Description

Length (A):	4.75 in. (11.4 cm)
Width (B):	3.50 in. (8.9 cm)
Height (C):	1.25 in. (3.2 cm)
Flange Width (G):	3.125 in. (7.9 cm)
Total Depth (F):	4.1 in. (10.4 cm)



#### Material

Flame retardant ABS plastic (UL 94-5VA)  
Mounting:  
Fits DIN-35 rail  
May be screw mounted to panel

#### Electrical

Peak pulse power:	600 watts
Peak pulse current:	15.4 Amps (25°C)
Break down voltage:	18.9 V
Peak forward surge current:	100 Amps
Capacitance:	< 50pF

Temperature 0 to 70°C (32 to 158°F)

Approvals:

FCC Class A, CE

### DECLARATION OF CONFORMITY

Manufacturer's Name: B&B Electronics Manufacturing Company  
 Manufacturer's Address: P.O. Box 1040  
 707 Dayton Road  
 Ottawa, IL 61350 USA  
 Model Number: IASP1P  
 Description: 1 Port Ethernet Surge Protector  
 Type: Light Industrial ITE equipment  
 Application of Council Directive: 89/336/EEC  
 Standards: EN55022  
 EN50082-1  
 EN61000 (-4-2,-4-3,-4-4,-4-5,-4-6,-4-8,-4-11)

William H. Franklin III, Director of Engineering



International Headquarters:

**B & B Electronics Mfg. Co.** 707 Dayton Road P.O. Box 1040 Ottawa, IL 61350 USA  
 815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**B & B Electronics Ltd** Westlink Commercial Park Oranmore Co. Galway Ireland  
 +353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-europe.com](mailto:support@bb-europe.com)